

Chaos & Self-similarity

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Performed 1000 iterations of x with the equation $x_{n+1} = 1 - \beta x_n^2$
Below are graphs for values of $x \in \mathbb{R}$ for $\{\beta \in \mathbb{R} \mid 0 \leq \beta \leq 2\}$ and values of $x \in \mathbb{R}$ for $\{\beta \in \mathbb{R} \mid 1.3 \leq \beta \leq 1.5\}$



